



THE PORT AUTHORITY
OF NY & NJ

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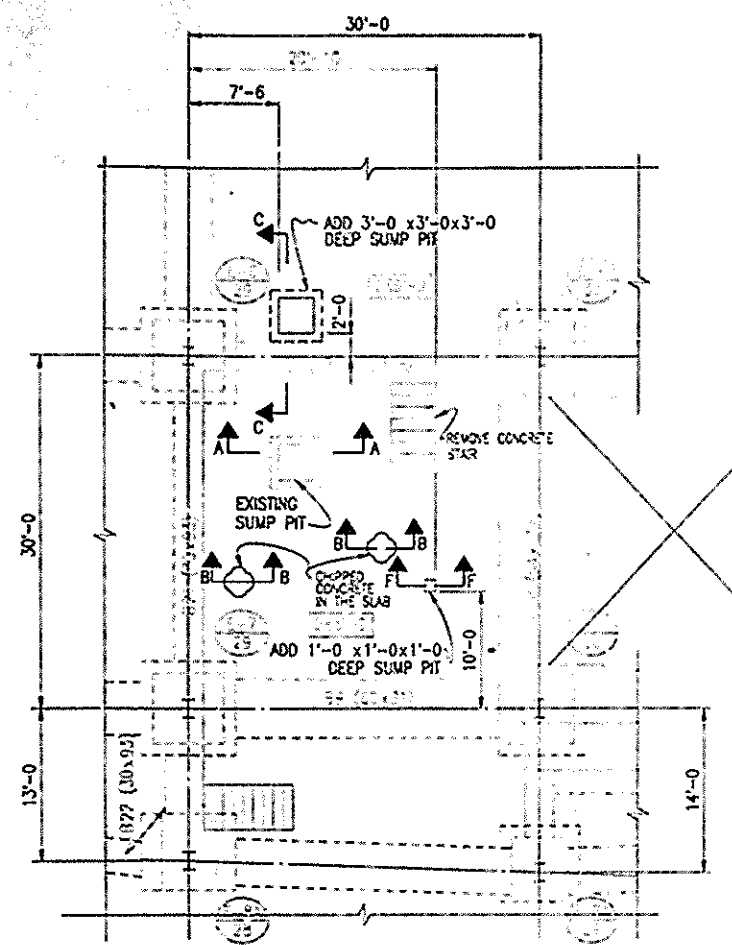
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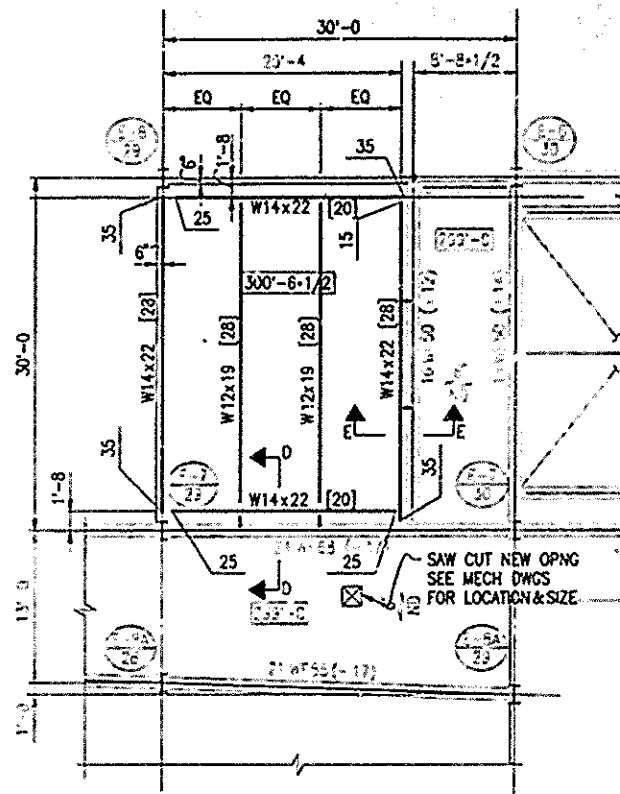
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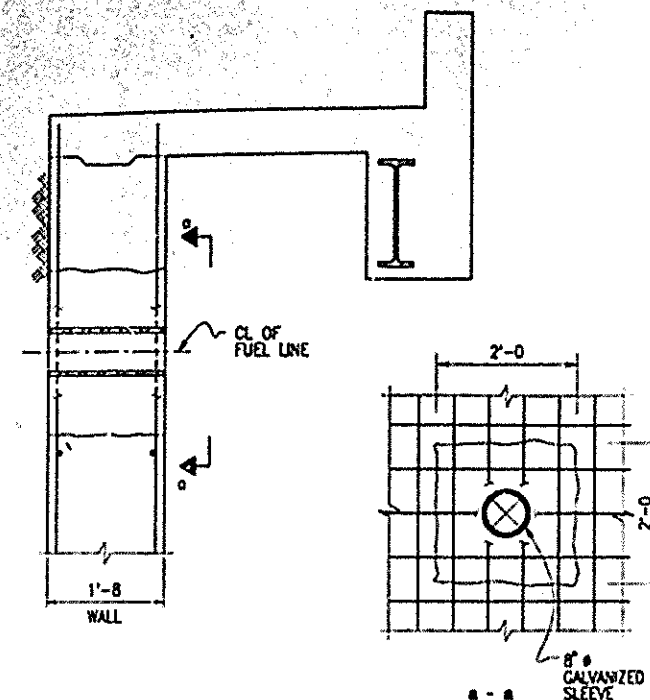
LESLIE E. ROBERTSON
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FUEL OIL TANK ROOM PLAN
REF EL (TOP OF FINISH) = 284'-0"



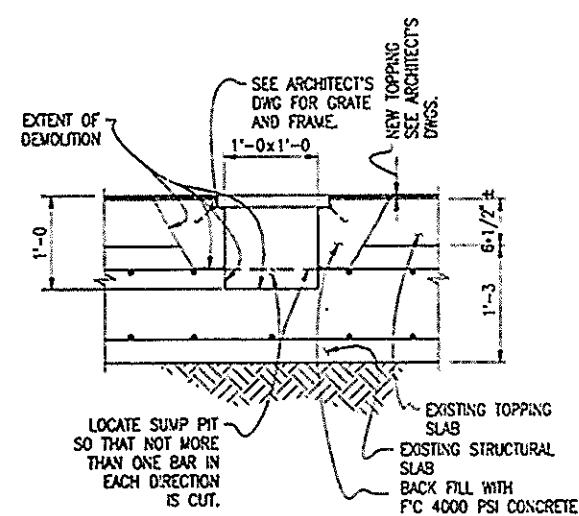
FUEL OIL TANK ROOM ROOF PLAN
REF EL (TOP OF CONCRETE) = 300'-6 1/2"



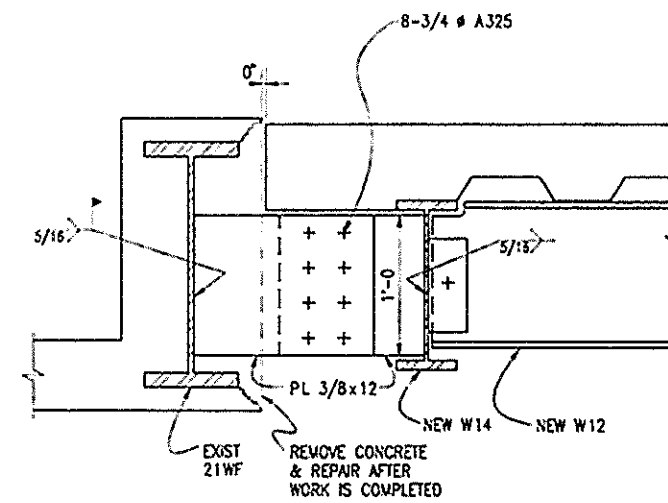
SEQUENCE FOR INSTALLATION OF 8" SLEEVE

1. CHIP CONCRETE (2'-0" x 2'-0"). DO NOT DAMAGE EXISTING REBAR.
2. LOCATE 8" SLEEVE TO MINIMIZE THE NUMBER OF REBAR INTERRUPTED BY SLEEVE. CUT INTERRUPTED REBAR.
3. BACKFILL AROUND SLEEVE WITH FC=4000 PSI CONCRETE PER THE FOLLOWING SEQUENCE:
 - ROUGHEN THE CONCRETE SURFACE;
 - CLEAN THOROUGHLY, REMOVE LANTAGE;
 - APPLY EPOXY BONDING COMPOUND IMMEDIATELY BEFORE PLACEMENT OF CONCRETE ACCORDING TO MANUFACTURER'S INSTRUCTIONS; AND
 - POUR CONCRETE.

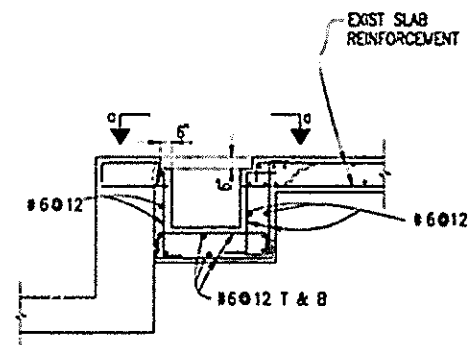
TYPICAL DETAIL FOR
FOUNDATION WALL PENETRATION FOR FUEL LINE
NTS



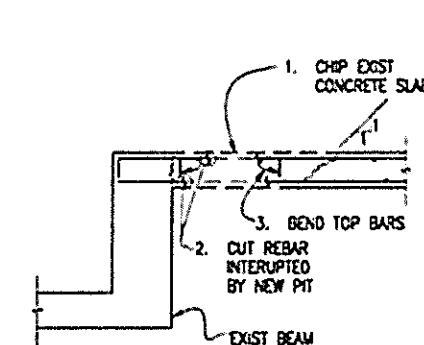
SECTION F-F
NTS



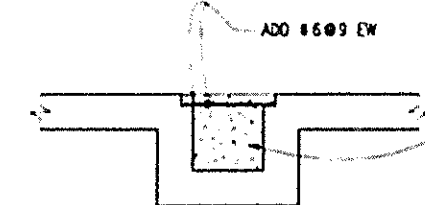
SECTION D-D
NTS



SECTION C-C
NEW PIT CONSTRUCTION
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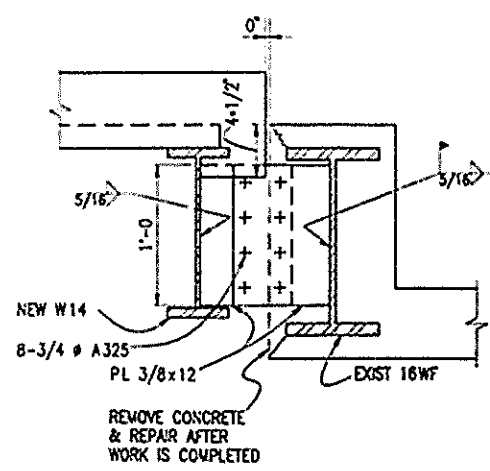
SECTION C-C
CONCRETE REMOVAL
NTS



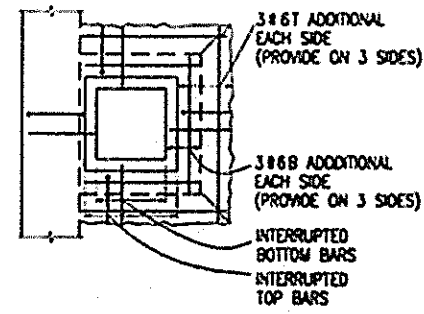
SECTION A-A
NTS

FILL WITH FC=4000 PSI CONCRETE PER THE FOLLOWING SEQUENCE:

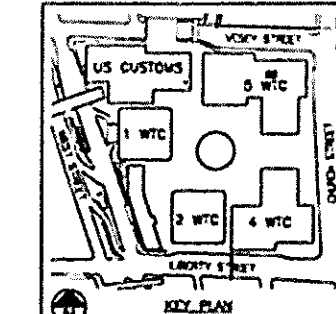
1. ROUGHEN THE CONCRETE SURFACE.
2. CLEAN THOROUGHLY, REMOVE LANTAGE.
3. APPLY EPOXY BONDING COMPOUND IMMEDIATELY BEFORE PLACEMENT OF CONCRETE ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
4. POUR CONCRETE.



SECTION E-E
NTS



SECTION B-B
NTS



11/11/97 ISSUED FOR O.D.

No.	Date	Revision	Approved
1	11/11/97	1	Engineering Department

The World Trade Center

STANDBY POWER
5 WORLD TRADE CENTER

STRUCTURAL
5 WTC FUEL OIL SYS
FUEL OIL TANK
PART PLANS

DESIGNED BY: MVS
DRAWN BY: MJZ, GW
CHECKED BY: RJ

Date: 11/11/97
Scale: AS SHOWN
Contract Number: WTC-945.071
Drawing Number: S3-01